

HEADQUARTERS

1st Engineer Battalion
 1st Marine Division (Rein), FMF
 FPO, San Francisco, California 96602

SEE: O15-67
 3/LMP/trh
 5750
 6 July 1967

From: Commanding Officer
 To: Commanding General, First Marine Division (Rein), FMF
 Subj: Command Chronology for Period 1 June to 30 June 1967

Ref: (a) MCO 5750.2
 (b) FMF PACO 5750.8
 (c) DivO 5750.2B

Encl: (1) 1st Engineer Battalion Chronology

1. In accordance with the provisions of references (a), (b), and (c), enclosure (1) is submitted.

J. M. Mackenzie
 J. M. MACKENZIE

1ST ENGR BN 021067
 CMCC NR
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S & C FILES
 HEADQUARTERS
 1ST MARINE DIVISION, FMF

67 2807
 COPY 1 OF 5 COPIES

DOWNGRADED AT 3 YEAR INTERVALS.
 DECLASSIFIED AFTER 12 YEARS.
 DOD DIR 5200.10

UNCLASSIFIED

DECLASSIFIED

HEADQUARTERS

1st Engineer Battalion
1st Marine Division (Rein), FMF
FPO, San Francisco, California 96602

COMMAND CHRONOLOGY

1 June 1967 to 30 June 1967

- | | |
|----------|--|
| PART I | Organizational Data |
| PART II | Narrative Summary |
| PART III | Sequential Listing of Significant Events |
| PART IV | Supporting Documents |

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PART I

Organizational Data1. Designation

1st Engineer Battalion

Commander

Major J.M. MACKENZIE

25 May 67 - Present

Subordinate Units

H&S Company (-)

Capt. H.A. MORGAN III

15 Mar 67 - Present

Support Company

Maj. P.J. SHANK

23 Apr 67 - 18 Jun 67

Maj. E.J. TOWNSEND

18 Jun 67 - Present

Company "A" (Rein)

Capt. H.E. ITCHKANICH

3 Sep 66 - Present

Company "B" (-) (Rein)

Capt. R.W. FALKENBACK

8 Sep 66 - Present

Company "C"

Capt. H.L. LUTTRELL

8 Sep 66 - Present

2. Location

Battalion minus Company "B" (-) (Rein) 21 Apr 67 - 30 Jun 67 DaNang, RVN

Company "B" (-) (Rein) 23 Apr 67 - 14 Jun 67 Tam Ky, RVN
15 Jun 67 - 30 Jun 67 Thang Binh, RVN3. Staff Officers

Executive Officer	Maj. E.J. TOWNSEND	25 Jan 67 - Present
Sergeant Major	SgtMaj F.C. TOMON	29 Nov 66 - Present
S-1/Adjutant	2ndLt J. MOUTON	14 Dec 66 - Present
S-2	Capt W.J. GLEESON 1stLt C.J. FRANKLIN	23 Apr 67 - 15 Jun 67 16 Jun 67 - Present
S-3	Maj J.C. FLOYD 1stLt L.W. PRICE Maj R.C. JONES	23 Apr 67 - 18 Jun 67 19 Jun 67 - 26 Jun 67 26 Jun 67 - Present
S-4	Capt L.R. CORNWELL	14 Mar 67 - Present
Supply Officer	Capt T.F. BYRNE	7 Sep 66 - Present
Comm Officer	1stLt P.A. BERKHEIMER GySgt J. STOUT	24 Feb 67 - 26 Jun 67 26 Jun 67 - Present

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Medical Officer	Lt (USNR) J.A. BACKER	8 Aug 66 - Present
M.T. Officer	1stLt J.T. WYNN	24 Aug 66 - Present
Engr. Equip. Officer	2ndLt G. MACKY	25 Aug 66 - Present
Utilities Officer	SSgt J.R. BERNHARDT	1 Jun 67 - Present
Construction Officer	W.O. R.H. McALLISTER Sgt D.H. DAVIS W.O. D.D. TAPLEY	10 Sep 66 - 11 Jun 67 12 Jun 67 - 27 Jun 67 28 Jun 67 - Present

4. Average Monthly Strength

USMC	USN
<u>OFF</u> 24	<u>ENL</u> 719
	<u>OFF</u> 1
	<u>ENL</u> 11

PART II

NARRATIVE SUMMARY

The First Engineer Battalion minus "B" Company (-) (Rein), was in general support of the First Marine Division in the DaNang TAOR. Letter Companies reinforced by elements of Headquarters and Service and Support Companies were moderately committed to combat support missions during this period while simultaneously accomplishing various types of construction and maintaining their respective routine road sweeps. The Battalion (-) also supported operations ARIZONA and CALHOUN and numerous small unit operations: rough rider convoys, county fair operations, and swept a total of 1,626,000 meters of roads in the DaNang TAOR. "B" Company (-) (Rein) was in direct support of the Fifth Marine Regiment for Operations UNION II, ADAIR, and CALHOUN.

PART III

SEQUENTIAL LISTING OF SIGNIFICANT EVENTS

1. Personnel

- a. Gains and Losses
During entire month
Joined 8 Marine officers, 67 enlisted;
dropped 8 Marine officers, 83 enlisted.

2. Intelligence

- a. Road recons
Conducted recon from BT 143456 to BT 035345
to determine engineer effort required to
upgrade road.
- b. Weather
(1) Hot and humid, no adverse effect on engineer efforts.

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c. Enemy Ordnance

(1) Discovered and destroyed 16 boobytraps during routine sweeps in the DaNang TAOR.

Ref: SitReps 152-67, 153-67, 154-67, 156-67, 158-67, 162,67, 168-67 176-67, 180-67.

(2) Discovered and destroyed eight boobytraps during clearing of Cam Ne Village.

Ref: SitReps 153-67, 156-67, 162-67, 174-67, 175-67, 179-67.

(3) Total enemy ordnance destroyed during this period:

<u>Boobytraps</u>	<u>ChiCom Grenades</u>	<u>Boxmines</u>	<u>Bear Traps</u>	<u>K44 Russ Carbine</u>
15	12	16	7	2
<u>Water Wheel</u>	<u>Magazines</u>	<u>Slings</u>	<u>V.C. Batteries</u>	<u>40mm Rocket</u>
2	10	1	2	9
<u>Enemy small arms rounds</u>		<u>AT Mines</u>		<u>Z-10</u>
1000		1		1

d. Tunnel/Cave/Bunker/Fighting hole Destruction

(1) Following tunnels/caves/bunkers/fighting holes destroyed during operations:

- (a) 17 Bunkers
- (b) 14 Tunnels
- (c) 29 Caves
- (d) 4 Fighting holes
- (e) 3 Punji pits
- (f) 2 bridges
- (g) 3000 pounds of rice

Ref: CO "A" Co AA Rpt JCB/jcb over 3480 of 1 June 67

CO "A" Co AA Rpt BJM/jcb over 3480 of 15 Jun 67, 29 Jun 67, 1 Jul 67

CO "A" Co AA Rpt BJM/ljj over 3000 of 20 Jun 67, 21 Jun 67

CO "C" Co AA Rpt HLL/apg over 3480 of 4 Jul 67

e. Other Ordnance. The following types and quantities of U.S. ordnance were destroyed.

<u>M26</u>	<u>155 Round</u>	<u>105 Round</u>	<u>500# Bomb</u>	<u>M16</u>	<u>81mm</u>	<u>8" Round</u>	<u>60mm</u>
16	9	17	4	3	6	1	31
<u>Bomblets</u>	<u>106 Round</u>	<u>M79</u>	<u>250# Bomb</u>	<u>3.5</u>	<u>7.62 Ammo</u>	<u>LAAMS</u>	<u>30 Cal.</u>
4	1	1	13	17	850 Rds.	14	100 Rds.

Ref: SitReps for month of June 67 & "B" Co SitReps 152-67, 156-67, 161-67, 163-67 164-67, 165-67, 170-67, 171-67

CO "A" Co. AA Rpt JCB/jcb over 3480 of 1 Jun 67

CO "A" Co. AA Rpt BJM/jcb over 3480 of 15 Jun 67, 17 Jun 67, 19 Jun 67, 1 Jul 67

CO "C" Co. AA Rpt HLL/apg over 3480 of 4 Jul 67

CO "A" Co. AA Rpt HEI/jcb over 3480 of 5 Jul 67

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3. Training

a. Twenty four officers and 730 men fam fired and were instructed on the XM16A1 rifle during June 1967.

Ref: CG msg 010355ZJun67

b. Land Mine Warfare and Demolitions School graduated 341 infantry, 102 engineers and 17 from various other units.

Ref: Sit Reps of June 1967.

4. Operations

Operation UNION II

26 May to 18 June 1967

"B" Co (-) (Rein) provided direct support to the 5th Marine Reg't. The operation was essentially a search and destroy mission. The AA Report will be appended to the Command Chronology for July 1967.

Operation ARIZONA

14 June to 22 June 1967

One officer and 49 men from "C" Co; 8 men from "B" Co, and 4 men from Headquarters and Service and Support Companies were in direct support of the 7th Marine Reg't. The operation was essentially a search and destroy mission.

Ref: CO "C" Co AA Rpt HLL/apg over 3480 of 4 July 67

Operation ADAIR

15 June to 25 June 1967

"B" Co (-) (Rein) provided direct support to the 5th Marine Reg't. The operation was essentially a search and destroy mission. The AA Report will be appended to the Command Chronology for July 1967.

Operation CALHOUN

25 June to 1 July 1967

Two officers and 31 men from "A" Co. were in direct support of the 1st Marine Reg't. "B" Co. (-) (Rein) provided direct support to the 5th Marine Reg't. One officer and 12 men from "C" Co were in direct support of the 51st ARVN Regiment.

Ref: CO "A" Co. AA Rpt HEI/ljj over 3480 of 5 July 1967

5. Water Supply. During this reporting period, the Battalion operated seven water points and eight shower points, which produced 3,670,900 gallons of potable water and 521,400 gallons of shower water.

Ref: SitReps of June 1967.

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6. Roads. Upgrading Route #14 from AT 968583 east. Hauled 13,301 cubic yards fill during June and upgraded a total of 3600 meters.

Ref: SitReps of June 1967

7. Other Construction

a. During this period units of the Battalion accomplished the following miscellaneous construction:

(1) The following Division Work Orders were completed during June 1967:

- (a) Install shower drainage system at 1/1.
- (b) Improve ammo storage dump at 2/5.
- (c) Fill and grade temporary tent camp for 1st Recon Bn.
- (d) Survey to determine electrical support for 1st M.T. Bn.
- (e) Rehabilitate 6 huts for 3rd Amtrac Bn.
- (f) Construct security fence at Division warehouse area.
- (g) Survey messhall; recommend, submit Bill of Materials at 2/1.
- (h) Survey suspected minefield area and report; 11th Marines.
- (i) Road survey at 2/1.
- (j) Bill of Materials for security cage, shelving; Headquarters Bn.
- (k) Survey electrical power requirements at 1/1.
- (l) Install 3,000 gal water tank at Non Song 2/5.
- (m) Issue 30 bags cement 2/5.
- (n) Construct pioneer road 2/1.
- (o) Install culvert for 1st Marines.
- (p) Survey lights for security bridges 1/7.
- (q) Relocate 1 tropical hut, 11th M.T. Bn.
- (r) Issue 50 bags cement to 2/5.
- (s) Provide two dump trucks to haul sand 1/1.
- (t) Upgrade Route #14 and install culverts--taken over by 7th Engrs.
- (u) Provide bulldozer support for 5 days 3/1.

(2) The following Battalion Work Orders were completed during June 1967:

- (a) Shelves and cabinets for Utilities.
- (b) Construct footings and posts.
- (c) Construct field desk.
- (d) Twenty-four 8'x8' portable tent decks.
- (e) Construct ammonia box for drafting.
- (f) Cut 40 barrels for heads.
- (g) Provide trash burn barrels.
- (h) Wire Education Office.
- (i) Fabricate two gate signs for S-2.
- (j) Construct two hole head for Battalion messhall.
- (k) Construct radio stand for AN/PRC-25 for C.O. - X.O.
- (l) Remove siding and ventilation in Mail Room.
- (m) Install culvert and catch basin for S-1 parking lot.
- (n) Place spotlight on Bridge for Security Officer.

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- (o) Construct signs for CO, XO, S-1, S-2, S-3, S-4.
- (p) Construct eight 8'x8' tent decks for "C" Co.
- (q) Construct box culvert in "C" Co area.
- (r) Construct hose rack for Utilities.
- (s) Construct storeroom in Utility Shop.

Ref: SitReps of June 1967

8. Research and Development. Completed research on Tunnel Destruct Demolition Kit XM-69. Report submitted 8 July 1967.

9. Civil Affairs/Civic Action. Hoa Phu Village (coordinates AT 920762) has been assigned to this Battalion. MedCaps and DentCaps are held weekly. Material has been furnished so the people could build themselves four showers and two wells. Plans for the future include a one-hundred foot span footbridge, and an Elder's Festival. A playground set for the village is now being built by this Battalion.

Ref: Memo from C/A Officer to S-3.

PART IV

Supporting Documents

- ~~TAB (A) CO "A" Co. AA Rpt JCB/jcb over 3480 of 1 June 1967 destroyed. See Tab M, Page C/Chow~~
- ~~TAB (B) CO "C" Co. AA Rpt HLL/jg over 3480 of 2 June 1967 " See Tab N, " "~~
- TAB (C) CO "A" Co. AA Rpt BJM/jcb over 3480 of 15 June 1967
- TAB (D) CO "A" Co. AA Rpt BJM/jcb over 3480 of 15 June 1967
- TAB (E) CO "A" Co. AA Rpt BJM/jcb over 3480 of 17 June 1967
- TAB (F) CO "A" Co. AA Rpt BJM/ljj over 3000 of 20 June 1967
- TAB (G) CO "A" Co. AA Rpt BJM/ljj over 3000 of 20 June 1967
- TAB (H) CO "A" Co. AA Rpt BJM/ljj over 3000 of 20 June 1967
- ~~TAB (I) CO "A" Co. AA Rpt BJM/ljj over 3000 of 20 June 1967~~
- ~~NIE TAB (J) CO "A" Co. AA Rpt BJM/ljj over 3000 of 21 June 1967~~
- TAB (K) CO "A" Co. AA Rpt BJM/ljj over 3480 of 27 June 1967
- TAB (L) CO "A" Co. AA Rpt BJM/ljj over 3480 of 29 June 1967
- TAB (M) CO "A" Co. AA Rpt BJM/jcb over 3480 of 1 July 1967
- TAB (N) CO "C" Co. AA Rpt HLL/apg over 3480 of 4 July 1967
- TAB (O) CO "A" Co. AA Rpt BJM/ljj over 3480 of 5 July 1967
- TAB (P) CO "A" Co. AA Rpt HEI/ljj over 3480 of 6 July 1967

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COMPANY "A"
 1st Engineer Battalion
 1st Marine Division (Rein) FMF
 FPO, San Francisco 96602

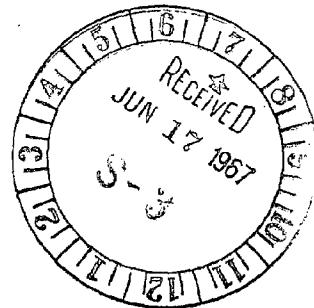
UNCL

BJM/jcb
 3480
15 Jun 1967

From: Commanding Officer
 To: Commanding Officer, 1st Engineer Battalion

Subj: Combat After Action Report

Ref: (a) Div0 3480.1
 (b) Map Vietnam 1:50,000, Sheet 6640IV, Series L7014



1. Code Name: None
2. Dates of Operation: 6 ~~Jun~~ 1967 Only
3. Location: Coor 0467-0367
4. Command and Control Headquarters: 3rd Bn, 1st Marines - Major RICE
5. Task Organization: Not Applicable
6. Supporting Force: Not Applicable
7. Intelligence: 3rd Bn, 1st Marines S-2
8. Mission: To provide close combat engineer support to 3/1 for a one day search and destroy operation
9. Concept of Operation: Two men from the 3rd platoon of "A" Company 1st Engineer Battalion with 20 pounds of demolition each were in direct support of 3/1 in a search and destroy mission.
10. Execution: A two man engineer team departed 3/1 at 060900 H Jun67 to furnish close combat engineer support to 3/1. The operation commenced at 060900 H Jun67. At 060900 H Jun67 one reinforced cave was destroyed using $7\frac{1}{2}$ pounds of C4 at coor 0467. At 061100 H Jun67 one tunnel was destroyed at coor 0367 using $12\frac{1}{2}$ pounds of C4. Operation terminated at 061700 H Jun67 and personnel returned to 3/1 CP at 061900 H Jun67.
11. Results: Two K44 Russian Carbine Rifles, one home made claymore mine, two M-14 mines, 90 rounds of Ammo, five home made shape charges and five chicom grenades were captured and destroyed with 20 pounds of C4.
12. Administrative Remarks: None
13. Special Equipment and Techniques: None
14. Commanders Analysis: No unusual problems were encountered during this search and destroy mission and the demolition work of the engineers was routine.

S-3	
S-3A	

H. E. ITCHKAWICH

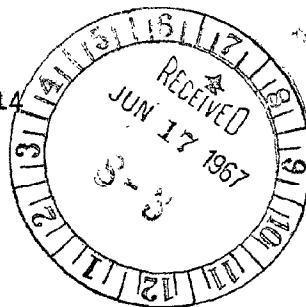
Tab C

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COMPANY "A"
 1st Engineer Battalion
 1st Marine Division (Rein) FMF
 FPO, San Francisco 96602

BJM/jcb
 3480
 15 June 1967

From: Commanding Officer
 To: Commanding Officer, 1st Engineer Battalion
 Subj: Combat After Action Report
 Ref: (a) DivO 3480.1
 (b) Map Vietnam 1:50,000, Sheet 6640IV, Series L7014



1. Code Name: None
2. Dates of Operation: 11 June 1967 Only
3. Location: Coor 036687
4. Command and Control Headquarters: 3rd Bn, 1st Marines - Major Rice
5. Task Organization: Not Applicable
6. Supporting Force: Not Applicable
7. Intelligence: 3rd Bn, 1st Marines S-2
8. Mission: To provide close engineer support to 3/1 for a one day operation (Search for Caves)
9. Concept of Operation: Tow engineers with 10 pounds of demolition each were in direct support of 3/1. These men consisted of men from the 3rd platoon "A" Company, 1st Engineer Battalion.
10. Execution: One NCO and one man from the 3rd Platoon, "A" Company, 1st Engineer Battalion departed the 3/1 CP at 111030 H Jun67 and provided combat engineer support to 3/1 on a mission of searching for caves and tunnels. At 111230 H Jun67 one cave was located and destroyed at coor 036687 with 10 pounds of C4.
11. Results: The following items were destroyed: 1 Cave
12. Administrative Remarks: None
13. Special Equipment and techniques: None
14. Commanders Analysis: The demolition of this engineer team was of routine nature and during the operation there were no unusual problems encountered.

S-3	
S-3A	<i>Hoff</i>

H. E. ITCHKAVICH
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Tab D

*FMF
3/1 CP*

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COMPANY "A"
 1st Engineer Battalion
 1st Marine Division (Rein) FMF
 FPO, San Francisco 96602

BJM/jcb
 3480
 17 Jun 1967

From: Commanding Officer
 To: Commanding Officer, 1st Engineer Battalion

Subj: Combat after Action Report

Ref: (a) DivO 3480.1
 (b) Map Vietnam 1:50,000, Sheet 6640 I, Series L7014

1. Code Name: None
2. Dates of Operation: 12 June 1967
3. Location: Coor 069707
4. Command and Control Headquarters: 3rd Bn, 1st Marines - Major RICE
5. Task Organization: Not applicable
6. Supporting Force: Not applicable
7. Intelligence: 3rd Bn, 1st Marines S-2

8. Mission: To provide close combat engineer support to 3/1 for a road sweep on a one day operation.

9. Concept of Operation: One NCO and four men with two PRS 153 mine detectors were in direct support of 3/1. This team consisted of men from the 3rd platoon of "A" Company, 1st Engineer Battalion.

10. Execution: A five man engineer team departed 3/1 CP at 120630 H Jun67 to furnish close combat engineer support to 3/1. The operation commenced at 120700 H Jun67. During the operation, one M26 grenade was located and destroyed with one pound of C4 at coor 069707. The operation terminated at 120830 H Jun67 and returned to the CP at 121030 H Jun67.

11. Results: The following item was destroyed during the road sweep.

One (1) 26 Grenade

12. Administrative Remarks: None
13. Special Equipment and Techniques: None
14. Commanders Analysis: During the road sweep no unusual problems were encountered and the engineer work was of routine matter.

H. E. Itchkawich
 H. E. ITCHKAWICH

Tab E

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BJM/1jj
3000
20 June 1967

From: Commanding Officer
To: Commanding Officer, 1st Engineer Battalion

Subj: Combat after action report

Ref: (a) DivO 3480.1
(b) Map Vietnam 1:50,000, Sheet 6640 IV, Series L 7014

1. Code Name: N/A
2. Dates of operation: 30 May 67 - 6 Jun 67
3. Location: Coor 995635
4. Command and control headquarters: G Co., 2/1 - Capt COPLAN
5. Task organization: N/A
6. Supporting force: N/A
7. Intelligence: S-2, 2/1
8. Mission: Provide close combat support as necessary to G Co., 2/1 for a company sweep.
10. Execution: At 301000 H May 67, one four man engineer demolition team departed from the G Co CP for a six day company sweep. Engineers were used on all days of the operation.
11. Results: 311000 H May 67, used five pounds of C-4 to blow spider trap at Coor 999637. 311400 H May 67 used 10 lbs of C-4 to blow family bunker at Coor 995635. 311900 H May 67 used $7\frac{1}{2}$ lbs of C-4 to blow one 8" round, two 60mm rounds, one 155 round and one chicom grenade, at Coor 995635. 011130 H Jun 67 at Coor 995637 used $17\frac{1}{2}$ lbs of C-4 to blow four bunkers. 011600 H Jun 67 at Coor 966645 used $2\frac{1}{2}$ lbs C-4 to blow spider trap and $2\frac{1}{2}$ lbs C-4 to blow small cave. 011900 H Jun 67 at Coor 966645 used 15lbs of C-4 to blow two bunkers. 031700 H Jun 67 at Coor 029602 used $1\frac{1}{4}$ lbs to blow one 155 round. 040730 H Jun 67 at Coor 026605 used $1\frac{1}{4}$ lbs to blow one M-26. 020800 at Coor 966647 used 5lbs of C-4 to blow bunker. 041500 H Jun 67 at Coor 029599 used $1\frac{1}{4}$ lbs of C-4 to blow booby trapped M-26. 041630 H Jun 67 at Coor 025604 used $2\frac{1}{2}$ lbs of C-4 to blow two 2.75 rockets. 051000 H Jun 67 at Coor 029620 used $1\frac{1}{4}$ lbs of C-4 to blow possible V.C. hiding place. 050300 H Jun 67 at Coor 029621 used 5lbs C-4 to blow cave and $1\frac{1}{4}$ lbs C-4 to blow dud 60mm round.
12. Administrative remarks: NONE
13. Special Equipment and Techniques: NONE
14. Commanders analysis: Good utilization of engineers, a four man team was more than adequate. S-2 indicated they would run into many more caves and bunkers than they did.

B.E. Itchawich
B.E. ITCHAWICH

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COMPANY "A"
1st Engineer Battalion
1st Marine Division (Rein) FMF
FPO, San Francisco 96602

BJM/lijj
3000
20 June 1967

From: Commanding Officer
To: Commanding Officer, 1st Engineer Battalion
Subj: combat after action report
Ref: (a) DivO 3480.1
(b) Map Vietnam 1:50,000, Sheet 6640I, Series L 7014

1. Code Name: NONE
2. Dates of operation: 10 June 1967
3. Location: Yiem Dong Coor 102667
4. Command and control headquarters: 3/1, LtCol RICE
5. Task organization: NONE
6. Supporting force: N/A
7. Intelligence: S-2, 3/1
8. Mission: Provide close engineer combat support.
9. Concept of operation: One NCO and five engineers with 10 lbs of C-4 each and Demolition kits were attached to the battalion CP group.
10. Execution: At 100530 H Jun 1967 one 6 man team departed 3/1 CP with the Command group for a one day sweep of Yiem Dong.
11. Results: Destroyed five caves with 50 lbs of C-4
Destroyed one booby trapped 106 round with 2 lbs of C-4
12. Administrative Remarks: NONE
13. Special Equipment and Techniques: NONE
14. Commanders analysis: Good use of engineers.

H.E. ITCHKAWICH
H.E. ITCHKAWICH

Tab C

COMPANY "A"
1st Engineer Battalion
1st Marine Division (Rein) FMF
FPO, San Francisco 96602

UNCLASSIFIED

BJM/1jj
3000
20 June 1967

From: Commanding Officer
To: Commanding Officer, 1st Engineer Battalion
Subj: Combat after action report
Ref: (a) DivO 3480.1
(b) Map Vietnam 1:50,000, Sheet 6640I Series L7014

1. Code Name: NONE
2. Dates of Operation: 12 June 1967
3. Location: COOR 076681
4. Command and Control Headquarters: 3rd Bn, 1st Marines - Major RICE
5. Task Organization: N/A
6. Supporting Force: N/A
7. Intelligence: 3rd Bn, 1st Marines
8. Mission: To provide close engineers support to 3/1 for a one day operation (Searching for caves)
9. Concept of Operation: Two men with 20 lbs of demolitions each were in direct support of 3/1. These two men were from the 3rd Platoon of "A" Company, 1st Engineer Battalion.
10. Execution: A two man engineer team departed 3/1 CP at 120800 H Jun 67 and proceeded with 3/1 on a mission of searching for caves and tunnels. At 121030 H Jun 67 Three reinforced tunnels, one M-79 Round, one M-26 grenade was destroyed using 30 lbs of C-4.
11. Results: The following things were destroyed on this mission:
Three reinforced tunnels
One M-79 round
One M-26 hand grenade
12. Administrative Remarks: NONE
13. Special Equipment and Techniques: NONE
14. Commanders analysis: No unusual problems were encountered during this operation and all engineers work was of a routine nature.

H.E. Itchkawich
H.E. ITCHKAWICH

Tab A

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From: Commanding Officer
 To: Commanding Officer, 1st Engineer Battalion

Subj: Combat after action report

Ref: (a) DivO 3480.1
 (b) Map Vietnam 1:50,000, Sheet 6640IV, Series L7014

1. Code Name: NONE
2. Dates of Operation: 18 May 67 - 5 June 67
3. Location: Grid squares 0060, 9960, 9860 and 9861
4. Command and control headquarters: H Co, 2/1 Lt GAUGHN
5. Task Organization: N/A
6. Supporting Force: N/A
7. Intelligence: 2/1, S-2
8. Mission: Provide close combat support to an extended company sweep.
9. Concept of Operation: A team of four engineers provided combat support to H Co., 2/1 for an extended company sweep. Each man carried 10 lbs of demolitions and individual demolition kits. No mine detectors were used. Every five days a new team would go out and relieve the old team.
10. Execution: At 180100 H May H Co., 2/1 with four engineers attached jumped off on a extended search and destroy mission into a newly added part of their TAOR west of the railroad tracks. Engineers were used to blow dug ordnance, caves, bunkers, spider traps, houses, etc. Engineers were not used on 3-5 June. Engineers returned to C.P. on 5 June 67 at 0530.

<u>11. Results:</u>	<u>Date</u>	<u>Group</u>	<u>Coor</u>	<u>Destroyed</u>	<u>Demolitions</u>
	180830 H May67	002606		155 round	2½ lbs C-4
	180830 H May67	008607		155 round	2½ lbs C-4
	181730 H May67	008607		155 round	2½ lbs C-4
	190730 H May67	008607		105 round	2½ lbs C-4
	201130 H May67	006609		1 Cave	20 lbs C-4
	210800 H May67	008608		105 round	2½ lbs C-4
	220800 H May67	006609		Water Wheel	5 lbs C-4
	231000 H May67	008609		155 round	2½ lbs C-4
	240815 H May67	008609		2-500 lb bombs	10 lbs C-4
	250900 H May67	993602		M-16 A.P. Mine	2½ lbs C-4
	250930 H May67	995595		105 round	2½ lbs C-4
	261200 H May67	990602		105 round	2½ lbs C-4
	261730 H May67	993605		81mm round	2½ lbs C-4
	262200 H May67	988630		500 lb bomb	10 lbs C-4
	272230 H May67	988630		105 round	2½ lbs C-4
	281030 H May67	988609		Water Wheel	5 lbs C-4
	281300 H May67	988604		105 round	2½ lbs C-4
	291800 H May67	988607		two brackets	5 lbs C-4
	301600 H May67	992603		105 round	2½ lbs C-4
	310800 H May67	982606		Bridge	5 lbs C-4
	010730 H Jun67	982604		105 round	2½ lbs C-4
	021100 H Jun67	986674		155 round	2½ lbs C-4
				Total	27½ lbs C-4

12. Administrative remarks: NONE

13. Special equipment and Tech DOWNGRADED AT 3 YEAR INTERVALS;
 DECLASSIFIED AFTER 12 YEARS.
 DOD DIR 5200.10

Tab 5

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UNCLASSIFIED

COMPANY "A"

1st Engineer Battalion
 1st Marine Division (Rein) FMF
 FPO, San Francisco 96602

BJM/1jj
 3430
 27 June 1967

From: Commanding Officer
 To: Commanding Officer, 1st Engineer Battalion
 Subj: Combat after action report.
 Ref: (a) DivO 3420.1
 (b) Map Vietnam 1:50,000, Sheet 6640 IV, Series L7014

1. Code Name: NONE
2. Dates of Operation: 180830H Jun 67 to 221600H Jun 67
3. Location: Coor 0052
4. Command and Control Headquarters: G Co., 2/1, Capt COPLAN
5. Task Organization: N/A
6. Supporting Forces: N/A
7. Intelligence: 2/1, S-2
8. Mission: To provide close combat engineer support to "G" Co., 2/1 for a five day operation.
9. Concept of Operation: One NCO and Three men with ten pounds of demolitions each were in direct support of "G" Co., 2/1. This team consisted of men from the 1st Platoon of Company "A", 1st Engineer Battalion.
10. Execution: A five man engineer team departed the 2/1 C.P. at 171330H Jun 67 to furnish close combat engineer support to G Co., 2/1. The Operation commenced at 180830H Jun 67. On 190730H Jun 67 at Coor 002523 a 250 lb bomb was destroyed using 10 lbs of C-4. On 191230H Jun 67 at Coor 003528 checked area under bridge where Amphibious Tractors were going to cross and found one box mine (about 30 lbs). Destroyed it using 2½ lbs of C-4. On 191330H Jun 67, at Coor 002526 two Amphibious Tractors were blown up by box mines about 100 meters from where we checked. We checked the area around where the Tractors were blown up and found another 30 lb box mine. Blown in place using 2½ lbs C-4. On 210930H at Coor 001528 (within 100 meters) we blow up about 3000 lbs of rice using 30 lbs of C-4.
11. Results: One 250 lb bomb destroyed with 10 lbs C-4
 Two 30 lb box mines destroyed with 5 lbs C-4
 3000 lbs of rice destroyed with 30 lbs of C-4
 During the operation two amphibious Tractors were blown up by box mines.
12. Administrative Remarks: NONE
13. Special Equipment and Techniques: NONE
14. Commanders Analysis: No unusual problems were encountered during this operation and the Demolition work of this engineer team was of routine matter.

DOWNGRADED AT 3 YEAR INTERVALS

DECLASSIFIED AFTER 12 YEARS

DOD DIR 5200.10

UNCLASSIFIED

H.E. ITCHIKAWICH

DECLASSIFIED

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COMPANY "A"

1st Engineer Battalion
1st Marine Division (Rein) FMF
FPO, San Francisco 96602

BJW/jcb
3480
29 Jun 1967

From: Commanding Officer
To: Commanding Officer, 1st Engineer Battalion

Subj: Combat after Action Report

Ref: (a) DivO 3480.1
(b) Map Vietnam, 1:50,000, Sheet 6640 IV, Series L7014

1. Code Name. None
2. Dates of Operation. 240530 H Jun67 to 251800 H Jun67
3. Location. Coor 0367 and 0366
4. Command and Control Headquarters. 3rd Bn, 1st Marines - Major RICE
5. Task Organization. Not Applicable
6. Supporting Force. Not Applicable
7. Intelligence. 3rd Bn, 1st Marine S-2
8. Mission. To provide close combat engineer support to 3/1 for a two day search and destroy operation.
9. Concept of Operation. One NCO and three men with 10 pounds of demolition each were in direct support of 3/1. This engineer team consisted of men from the 3rd platoon of "A" Company, 1st Engineer Battalion.
10. Execution. A four man engineer team departed 3/1 CP at 240530 H Jun67 to furnish close combat engineer support to 3/1 on a search and destroy mission. The operation commenced at 240600 H Jun67. The operation terminated at 251700 H Jun67 and the men returned to the 3/1 CP at 251800 H Jun67.
11. Results. One 81mm WP round destroyed with 2½ pounds of C4, three caves destroyed using 20 pounds of C4 and two punji pits were destroyed using 5 pounds of C4.
12. Administrative Remarks. None
13. Special Equipment and Techniques Used. None
14. Commanders Analysis. During this search and destroy mission the engineers encountered no unusual problems.

H. E. Itchkovich
H. E. ITCHKOVICH Tab 2

DECLASSIFIED

BJ/ job
3480
1 Jul 1967

From: Commanding Officer
To: Commanding Officer, 1st Engineer Battalion

Subj: Combat after Action Report

Ref: (a) DivO 3480.1
(b) Map Vietnam 1:50,000, Sheet 6641 III, Series L7014

1. Code Name. None
2. Dates of Operation. 120930 H Jun67 to 141345 H Jun67
3. Location. Coor 078-612, 079-600, 064-630, 095-607
4. Command and Control Headquarters. Co "A", 1st Bn, 1st Marines - Lt PETERS
5. Task Organization. Not Applicable
6. Supporting Forces. Not Applicable
7. Intelligence. 1st Bn, 1st Marines S-2
8. Mission. To provide close combat engineer support to "A" Co, 1/1 for a three day search and destroy operation.
9. Concept of Operation. One NCO and seven men with 20 pounds of demo each and one TD 15 were in direct support of A/1/1. This team consisted of men from the 2nd platoon of Company "A", 1st Engineer Battalion.
10. Execution. An eight man engineer team departed CP at 120930 H Jun67 to furnish close combat engineer support to A/1/1. The operation terminated at 141345 H Jun67. Two M26 grenades were destroyed at coor 074-616 with 2½ pounds of C4 on 121200 H Jun67. On 121300 H Jun67 a cave was destroyed at coor 077-615 using five pounds of C4. At 130700 H Jun67 an underwater tunnel was destroyed at coor 076-613 with five pounds of C4. At 130830 H Jun67 a 3.5 rocket round was destroyed with 2½ pounds of C4 at coor 076-615. Another cave was destroyed on 131400 H Jun67 at coor 072-615 with 2½ pounds of C4. At 131435 H Jun67 a bunker was destroyed at coor 076-614 using 5 pounds of C4. A family bunker was destroyed using 2½ pounds of C4 on 131500 H Jun67 at coor 072-615. At 131600 H Jun67 a mine was destroyed at coor 077-613 using 5 pounds of C4. At 131700 H Jun67 a tunnel was destroyed killing one VC using 3 pounds of C4, at coor 061-080 a tunnel was destroyed with 5 pounds of C4 at 131730 H Jun67. At 131740 H Jun67 at coor 067-614 a cave under water was destroyed with 5 pounds of C4. The operation terminated at 141345 H Jun67 and the engineers returned to the CP at 141430 H Jun67.
11. Results. The following items were destroyed during the operation:
 - a. 4 tunnels, 3 caves, 1 mine, 2 M26 grenades, 2 family bunkers and 1 3.5 rocket round.
12. Administrative Remarks. None
13. Special Equipment and Techniques Used. None
14. Commanders Analysis. No unusual problems were encountered on this operation and the work of the engineers was routine.

DOWNGRADED AT 3 YEAR INTERVALS

DECLASSIFIED AFTER 12 YEARS

DOD DR 5200.40/14
H. E. ITCHKAWICH

CONFIDENTIAL

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COMPANY "C"

1st Engineer Battalion
 1st Marine Division (Rein) FMF
 FPO San Francisco 96602

HLL:apg
 3480
 4 Jul 1967

From: Commanding Officer
 To: Commanding Officer, 7th Marine Regiment
 Via: Commanding Officer, 1st Engineer Battalion

Subj: Combat After Action Report

Ref: (a) DivO 3480.1
 (b) Map Vietnam 1:50,000 MNS Series I7014, sheets 6640 IV
 and 6540I.

1. CODE NAME. Search and Destroy Operation ARIZONA
2. DATES OF OPERATION. 14 June 1967 to 22 June 1967.
3. LOCATION. Independence area, Quang Nam Province, Republic of Vietnam.
4. COMMAND & CONTROL HEADQUARTERS:

7th Marines (-) (Reinf)	Colonel CROSFIELD
2nd Bn., 7th Marines	Lt. Col. W. P. KITTERMAN
3rd Bn., 7th Marines	Lt. Col. COUNSELMAN
2nd Bn., 5th Marines	Lt. Col. JACKSON
Company "C", 1st Engr Bn.	Capt. H. L. LUTTRELL

5. TASK ORGANIZATION.

Company "C" (-) (Reinf), 1st Engineer Battalion
 Squad "B" Company, 1st Engineer Battalion
 Det H&SCo., 1st Engineer Battalion
 Det Supt Company, 1st Engineer Battalion

6. SUPPORTING FORCES. NA
7. INTELLIGENCE. 7th Marine Regiment ISUMS
8. MISSION. To provide close combat Engineer Support to the 7th Marine Regiment in the area of operation.

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 DECLASSIFIED AFTER 12 YEARS.

DOD DIR 5200.10

~~REF ID: A6512~~

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9. CONCEPT OF OPERATION: The company headquarters reinforced by elements of H&S and Support companies was in direct support of the 7th Marines (-) (Reinf) command group. The 1st platoon provided close combat Engineer support to A/1/7 which was OPCON to 3/7. The 2nd platoon provided close combat engineer support to 2nd Battalion, 7th Marines (-) (Reinf). The 3rd platoon provided close combat engineer support to the 3rd Battalion, 7th Marines (-) (Reinf). Company "B", 1st Engineer Battalion furnished a squad to the 2nd Battalion 5th Marines to provide close combat engineer support. The company was provided with the following personnel and equipment from H&S, Support and "B" Companies.

PERSONNEL

H&S Company	3-Communicators
Support	1 Heavy Equipment Operator
Company "B"	8-Combat Engineers

EQUIPMENT

H&S	4-FRC-25
Support	1-MRS100

10. EXECUTION. At 1000 On 13 June 1967, a frag order was received at a planning conference at 7th Marine CP stating an operation would commence 14 June 1967. Direct liaison was authorized with the battalions for planning purposes. As a result of the conference twenty men from the second platoon were attached to 2/7 at 130730HJun67. Six men from the 1st platoon were attached to A/1/7 at 131600HJun67 which was OPCON to 3/7. Eighteen men from the 3rd platoon were attached to 3/7 at 131100HJun67. The headquarters CP was established on 141100HJun67, at the 7th Marines Regimental CP.

A team of the 2nd platoon destroyed a tunnel ($3\frac{1}{2}' \times 3' \times 20'$) on 141148H Jun67 at coordinates AT 821485 using ten pounds of C-4. The team also destroyed two caves, one cave ($4' \times 4' \times 20'$) and the other ($4' \times 4' \times 15'$) on 141250HJun67 at coordinates AT 827487 using 20 pounds of C-4 on each cave. A tunnel ($4' \times 4' \times 15'$) was destroyed on 141230HJun67 using ten pounds of C-4 at coordinates AT 839480. And a VC classroom was destroyed on 141400HJun67 at coordinates AT 818482 using fifteen pounds of C-4. Also at the same time and coordinates a cave ($4' \times 4' \times 15'$) was destroyed using 10 pounds of C-4. A team from the 1st Platoon on 141500HJun67 destroyed a cave ($4' \times 4' \times 20'$) at coordinates AT 820501 using 15 pounds of C-4. The CP group destroyed two 105MM duds on 141535HJun67 at coordinates 897574 using one pound of C-4 on each dud.

On 15 June 1967 a team from the 2nd Platoon destroyed a 3.5 WP dud and a 81 WP dud at 1000 at coordinates AT 854473 using $\frac{1}{2}$ pound of C-4 on each dud. A team from the 1st Platoon at 1100 destroyed a cave ($3' \times 6' \times 10'$) at coordinates AT 829508 using 20 pounds of C-4. Also a team from the 2nd Platoon at 1435 destroyed a cave ($4' \times 4' \times 15'$) at coordinates AT 863503, using 20 pounds of C-4.

On 16 June 1967 at 0800 a team from the 3rd Platoon destroyed three 60MM duds and one 3.5 WP dud at coordinates AT 862483 using $\frac{1}{2}$ pound of C-4 on each.

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On 17 June 1967 a team from the 2nd Platoon at 0800 destroyed a cave ($2\frac{1}{2}' \times 4' \times 7'$) at coordinates AT 880540 utilizing an LVTE. With the blade lowered the LVTE removed two feet of overfill from the cave also a dispensary was destroyed at 1430 at coordinates AT 865543 using seven and one half pounds of C-4. A team from the 1st Platoon at 1600 destroyed one Chi Com grenade and a 155mm dud at coordinates AT 867532 using one pound of C-4 on each.

On 18 June 1967 elements of the 2nd Platoon destroyed a Chi Com grenade at 0700, coordinates AT 854456 using $\frac{1}{2}$ pound of C-4 and destroyed three bunkers ($5' \times 8' \times 4'$) and two caves ($2' \times 2' \times 6'$) at 1200, coordinates AT 866530 using seven and a half pounds of C-4 on each.

On 19 June 1967 a team of the 2nd Platoon assisted an LVTE in destroying 300 meters of hedge row and five family shelters. The LVTE plowed up the hedge row and crushed the family shelters with the blade lowered. At 1000 a LAW was destroyed at coordinates AT 866533 using one pound of C-4. Also at 1600 two 3.5 WP duds were destroyed at coordinates AT 865514 using one half pound of C-4 on each.

On 20 June 1967 a team of the 2nd Platoon at 1000 destroyed a bunker ($4' \times 4' \times 5'$), two 60mm duds at coordinates AT 886515 using two and one half pounds of C-4 on the bunkers and one pound of C-4 on each dud. Two family bunkers ($2' \times 6' \times 3'$) two caves ($4' \times 4' \times 30'$) and one 250 pound bomb was destroyed at 1400, at coordinates AT 865513 using 20 pounds of C-4 on each family bunker, 25 pounds of C-4 on each cave and five pounds of C-4 on the bomb dud.

On 21 June 1967 one 90mm dud, and one 3.5 WP dud and one LAW were destroyed by a team from the 2nd Platoon at 1100, at coordinates AT 865514 using one pound of C-4 on each also one booster from a 250 pound bomb, one M-26 booby trap and a 75 recoilless round was destroyed at 1400, at coordinates AT 853516 using one pound of C-4 on each. At 1400 one cave ($2' \times 3' \times 6'$) was destroyed at coordinates AT 853516 using ten pounds of C-4.

On 22 June 1967 a team from the 2nd Platoon at 1100 destroyed two 60mm duds at coordinates AT 865506 using one pound of C-4 on each. In the afternoon all engineers in support of operation Arizona returned to the 1st Engineer Battalion CP.

11. RESULTS. A total of 313 pounds of C-4 was used to destroy 21 items of enemy employed ordnance. A total of three tunnels, eight bunkers and 11 caves were also destroyed. Three hundred meters of hedgerows, family bunkers and fighting holes were destroyed utilizing the LVTE. A Viet Cong classroom was destroyed on the first day of the operation.

12. ADMINISTRATIVE REMARKS. Resupply of engineer items and all other items was adequate.

13. SPECIAL EQUIPMENT AND TECHNIQUES. 10 tunnel destruction kits were taken on the operation. Two (2) were used but proper functioning was not received. A LVTE was in support of 2/7. The LVTE was employed to plow out hedge rows and plow up bunkers. This technique proved to be very effective. Several enemy fighting positions were destroyed in the corner of hedgerows. The positions were underground. The LVTE simply dropped its blade and caved the position in.

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14. COMMANDERS ANALYSIS. The LVTE is a valuable machine. It can clear paths through mined areas or booby trapped areas. It can also plow up hedgerows to expose enemy positions and can destroy small caves with it's blade by plowing over them.

15. RECOMMENDATION. It is recommended that the LVTE be employed more by front line units to destroy enemy positions and also to improve fields of fire while in a defensive position by utilizing the blade.

for J. R. Gilman
H. L. LUTTRELL

14. COMMANDERS ANALYSIS. The LVTE is a valuable machine. It can clear paths through mined areas or booby trapped areas. It can also plow up hedgerows to expose enemy positions and can destroy small caves with it's blade by plowing over them.

15. RECOMMENDATION. It is recommended that the LVTE be employed more by front line units to destroy enemy positions and also to improve fields of fire while in a defensive position by utilizing the blade.

for J. R. Gilman
H. L. LUTTRELL

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DOD DIR 5200.10

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COMPANY "A"

1st Engineer Battalion
 1st Marine Division (Rein) FMF
 FPO San Francisco 96602

BJM/1jj
 3480
 5 July 1967

From: Commanding Officer
 To: Commanding Officer, 1st Engineer Battalion
 Subj: Combat after action report
 Ref: (a) DivO 3480.1
 (b) Map Vietnam 1:50,000 Sheet 6640I Series L7014

1. Code Name: NONE
2. Dates of Operation: 030515 H Jul67 to 031430 H Jul67
3. Location: Village of Ngan Trung, Coor 060644
4. Command and Control Headquarters: 3/1, Lt Col RICE
5. Task Organization: N/A
6. Supporting Force: N/A
7. Intelligence: 3/1, S-2
8. Mission: To provide close combat engineer support to 3/1 for a one day search and destroy operation
9. Concept of Operation: Two men with 20 pounds of demolitions each were in direct support of 3/1 on a search and destroy operation. This team consisted of men from the 3rd platoon of Company "A", 1st Engineer Battalion.
10. Execution: The two man engineer team departed 3/1 C.P. at 030515 H Jul67 to furnish close combat engineer support to 3/1. The operation commenced at 030515 H Jul67. Four caves were destroyed at Coor 060644 with $12\frac{1}{2}$ lbs of C-4 on 031300 H Jul67 and one spider trap was destroyed with $2\frac{1}{2}$ lbs of C-4 on 031300 H Jul67 at Coor 060644. The operation terminated at 031430 H Jul67 and the team returned to 3/1 C.P. at 031500 H Jul67.
11. Results: Four Caves and a Spider trap were destroyed using $12\frac{1}{2}$ lbs of C-4.
12. Administrative Remarks: NONE
13. Special Equipment and Techniques: NONE
14. Commanders Analysis: No unusual problems were encountered and the demolitions work of the Engineers was routine.

H. E. K. K. MICH
 H. E. K. K. MICH

Tab O

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COMPANY "A"

1st Engineer Battalion
1st Marine Division (Rein) FMF
FPO San Francisco 96602

HEI/1jj
3480
6 July 1967

From: Commanding Officer
To: Commanding Officer, 1st Engineer Battalion

Subj: Combat after action report

Ref: (a) DivO 3480.1
(b) Map Vietnam 1:50,00 Sheets 6640 I and 6640 IV, Series L7014

1. Code Name: Operation Calhoun
2. Dates of Operation: 242230 H Jun67 to 010700 H Jul67
3. Location: 1st phase - Bounded by grid squares 9250 to 1050, 0141 to 1141
2nd phase - Bounded by grid squares 0956 to 1756, 1246 to 1750
4. Command and Control Headquarters: 1st Marine Regiment
5. Task Organization: N/A
6. Supporting Force: N/A
7. Intelligence: 1st Marine Regiment - S-2
8. Mission: To provide close combat Engineer support to the 1st Marine Regiment for a search and destroy operation in base area 116.
9. Concept of Operation: Two Officers and 29 men were attached to the 1st Marine Regiment. One Officer with the Regimental Command Group. Ten Engineers were attached to 2/1, five with "E" Co. and five with "G" Co. One Officer was with the 1/1 Command Group, and five Engineer each with "A", "C" and "L" Co. Each Engineer carried ten pounds of C-4 and their individual demolition kits. Two tunnel destruction weapons were on hand at the Regimental C.P. Group to be flown out if needed.
10. Execution: Two Officers and 29 Enlisted men moved out with the Regiment on 24 June 1967, they moved to their LOD on the afternoon of the 24th. A four man sweep team was attached to the 1st Battalion, 11th Marines. These Engineers swept the road into "A" and "E" Battery position every day during the operation. The following Engineer work was required:

Code	Items Destroyed	Demo used
015479	One 500 lb bomb	7½ lbs C-4
003505	Four 250 lb bombs	30 lbs C-4
979477	One 60mm round	2½ lbs C-4
979477	Five bear traps	5 lbs C-4
979475	Two bear traps and setting devices	5 lbs C-4
025529	Six dud 105 rounds	7½ lbs C-4
122544	One 250 lb bomb	10 lbs C-4
025526	One dud 105 round	5 lbs C-4
080517	Two Blue-3 Bomblets found emplaced in the "A" Battery position	5 lbs C-4
	Total Demo	77½ lbs C-4

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11. Results: One 500 lb bomb destroyed using $7\frac{1}{2}$ lbs C-4
Five 250 lb bombs destroyed using 40 lbs C-4
One 60mm round using $2\frac{1}{2}$ lbs C-4
Seven bear traps destroyed using 10 lbs C-4
Seven dud 105 rounds destroyed using $12\frac{1}{2}$ lbs C-4
Two blue-3 bomblets destroyed using 5 lbs of C-4
12. Administrative Remarks: The operation engineer wise was very poor, the only enemy items destroyed was seven bear traps. The rest of the Engineer effort was confined to blowing of our own dud ordnance.
13. Special Equipment and Techniques: A TD-15 tractor was used to help dig in the "A" Battery firing position and was used to level the camp site after the operation.
14. Commanders Analysis: No unusual problems were encountered on this operation. All Engineer support was routine.


H. E. ITCHAKOWICH

TAP